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File: USPT

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TITLE: Methods for detecting mutations associated with hypertrophic cardiomyopathy

DATE-ISSUED: November 24, 1998

## INVENTOR-INFORMATION:

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530/388.1, 536/22.1, 536/23.1, 536/24.3, 536/24.33

## CLAIMS:

We claim:

1. A method for diagnosing hypertrophic cardiomyopathy comprising:

obtaining a sample of at least two sarcomeric proteins from a subject being tested for hypertrophic cardiomyopathy; and

diagnosing the subject for hypertrophic cardiomyopathy by detecting an abnormality in the at least two sarcomeric proteins as an indication of the disease.

2. The method of claim 1 wherein the hypertrophic cardiomyopathy is familial hypertrophic cardiomyopathy.

3. The method of claim 1 wherein the hypertrophic cardiomyopathy is secondary hypertrophic cardiomyopathy.

4. The method of claim 1 wherein the at least two proteins are selected from the group consisting of .alpha.-tropomyosin, cardiac troponin T, and .beta.-cardiac myosin heavy chain.

5. A method for diagnosing hypertrophic cardiomyopathy comprising:

obtaining a sample of at least two sarcomeric proteins from a subject being tested for hypertrophic cardiomyopathy, wherein said sarcomeric proteins are selected from the group consisting of .alpha.tropomyosin, cardiac troponin T, and .beta.-cardiac myosin heavy chain; and

diagnosing the subject for hypertrophic cardiomyopathy by detecting an abnormality in the at least two sarcomeric proteins as an indication of the disease.

6. The method of claim 5 wherein the hypertrophic cardiomyopathy is familial hypertrophic cardiomyopathy.

7. The method of claim 5 wherein the hypertrophic cardiomyopathy is secondary hypertrophic cardiomyopathy.

## WEST Search History

DATE: Wednesday, May 15, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L3	L1 same (mutation or polymorphism)	23	L3
L2	L1 same (primer or probe)	24	L2
L1	myosin adj heavy adj chain or (cardiac adj MHC)	259	L1

END OF SEARCH HISTORY